HIGH ALTITUDE ENROUTE FLIGHT ADVISORY SERVICE - FLIGHT WATCH

ARTCC | DENT | HA-EFAS | ARTCC | DENT | HA-EFAS | ARTCC | DENT | HA-EFAS | DENT CRUISING ALTITUDES RVSM LEVELS (WITHIN DESIGNATED AIRSPACE) DRYDEN
413 YHD
N49°51.87'
W92°50.95'
SIOUX LOOKOUT SOUTHERN DOMESTIC AIRSPACE DEFENSE AREA PRINCETON 122.55 RED RIVER
111 RDR (116.4) Unusable Route Segment

RNAV Route

(Not including Q routes in the Gulf of Mexico).
GNSS or DME/DME/RRU RNAV required, unless otherwise indicated. Rodar monitoring required.
DME/DME/RRU RNAV aircraft refer to
Airport/Facility Directory for DME information.

Preferred Single Direction Jet Route/Q Route

O00.0 IDT 000 Facility Locators used in formation
of Reporting Points

O00 Radial Outbound from a VHF/UHF NAVAID

Bearing Inbound to an LF/MF NAVAID

Total Mileage between

Official streams indicate facility.

Minimum Reception Altitude (MRA)

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International Boundary (Not shown when coincident with ARTCC or FIR)

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International Boundary (Not show when coincident with ARTC or FIR)

International P FARGO (1)
116.2 FAR 109
N46°45.20'
W96°51.08' SHERIDAN 115.3 SHR (L) 100 Sheridan Co (SHR) ABERDEEN 113.0 ABR 77 N45°25.04' W98°22.12' Gillette-Campbell Co (GCC)

GCC 93 GREEN BAY 122.525 Watertown Rgnl (ATY) REDWOOD FALLS (1) 113.3 RWF 80 N44°28.03' W95°07.70' ADJOINS CHART H-5 ONTIJ
111.6 MBW (I) 53

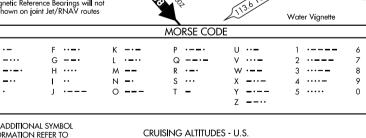
ADJOINS CHART H-5 ONTIJ
114.9 MCW 96

ADJOINS CHART H-5 ONTIJ
114.

H-2
PANELS
GHIJKL
1"=20 NM
UNITED STATES GOVERNMENT
FLIGHT INFORMATION PUBLICATION IFR ENROUTE HIGH ALTITUDE - U.S.

For use at and above 18,000' MSL HORIZONTAL DATUM: NORTH AMERICAN DATUM OF 1983

	DATUM: NORTH AMERICAN D	
	L E G E N D AIRPORTS	)
Airports shown have a minimum of 5000' he	ard surfaced runway. Facilities in BLUE or GRE	EN have an approved Instrument Approach
Procedure and/or RADAR MINIMA published	ed in either the FAA Terminal Procedures Public RADAR MINIMA published at least in the High.	ations or the DoD FLIPS. Those in BLÜE have Altitude DoD FLIPs. Facilities in BROWN do
→ → Civil	CITY Associated City	Associated city names for public airports are shown above or preceding the airport name. If airport name and city name are
фф Civil-Military	Airport Name	the same only the airport name is shown. City names for military and private airports are not shown. The airport identifier in
O O Military	Airport Identifier	parentheses follows the airport name.
	/AIDS AND COMMUNICATION BO	
NAVAIDS  VHF/UHF Data is depicted in BLACK		ATION BOXES 000.0
LF/MF Data is depicted in BROWN	NAME (000.0 IDT 000 (Y))	NAME
COMPASS ROSES Oriented to	VOR with TACAN compatible DME	000.0 IDT 000
Magnetic North of NAVAID which	Underline indicates No Voice transmitted	W000°00.00' NAME — FSS Name
may not be adjusted to the	on this frequency. TACAN Channels are without voice but not underlined.	Freq(s) positioned above thin line NAVAID
charted isogonic values.	Crosshatch indicates	box is remoted to the NAVAID site
1 1 1	Shutdown status	000.0 000.0
	(Y) TACAN must be placed in "Y" mode	NAME
	to receive distance information	000.0 IDT (L) 00
VOR VOR/DME TACAN VORTAC	Automated Weather Broadcast Systems:	W000°00.00'
	ASOS/AWOS - Automated Surface Observing Station/Automated Weather Observing Station	Shadow NAVAID box indicates NAVAID and Flight Service Station (FSS) have same name
LF/MF Non-directional Radiobeacon or Marine	HIWAS - Hazardous Inflight	FSS Name and
Radiobeacon	Weather Advisory Service  TWEB - Transcribed Weather	NAME IDT identifier not associated with NAVAID
/	Broadcast	Remote Communications
LF/MF Non-directional Radiobeacon/DME	Automated weather, when available, is broadcast on the associated NAVAID frequency.	NAME 000.0 Outlet (RCO). FSS radio name and remoted frequency(s) are shown
Flight Service Station (FSS), Remote Communications Outlet (RCO) or	NAME LF/MF Radio Aid	FSS freq(s) 122.2, 255.4 and emergency 121.5, 243.0 are available at many FSSs
Communications Outlet (RCO) or  O Automated Weather Observing Station	identification and frequency	and are not shown. All high altitude
(AWOS/ASOS) not associated with a charted NAVAID or airport	Post-Time or	discrete freq(s) are shown above the box. In Canada a shadow box indicates
	Part-Time or NAME On-Request * 000 IDT 00(000.0)	standard group freq 243.0, 126.7 and 121.5
	LF/MF Non-directional Radiobeacon/DME VHF Freq paired with TACAN Channel	(L) Frequency Protection usable range at 18,000' AGL - 40NM     (T) Frequency Protection usable range at
		(T) Frequency Protection usable range at 12,000' AGL - 25NM "L" and "T" category NAVAIDS located of
		Jet Routes are depicted in screen black. NAVAIDS without classification are "H"
		category.
	IC SERVICES AND AIRSPACE INFO	BOUNDARIES
VHF/UHF Data is depicted in BLACK LF/MF Data is depicted in BROWN	Giving mileage to NAVAIDs (Not shown when less than 5NM from the midpoint in	Air Route Traffic Control Center (ARTCC)
RNAV Data is depicted in BLUE  JOOO  Jet Route	00 either direction)  MEA-00000 Minimum Enroute Altitude	Air Defense Identification Zone (ADIZ)
ROO ROO ATS Route	(MEA), shown when other than 18,000'	Adjoining ADIZ
A00 Oceanic Route	MAA-00000 Max. Authorized Altitude (MAA), shown when other than 45,000'	Flight Information Region (FIR)
ARO Atlantic Route	MEA-00000G MEA for GNSS RNAV	Adjoining FIR
BROL Bahama Route	aircraft. Shown when other than 18,000'  MEA-00000D MEA for DME/DME/IRU	Upper Information Region (UIR)
Via/bypassing temporarily shutdown NAVAIDS.  See NOTAMs or appropriate publications for	RNAV aircraft. Shown when other than 18,000'	Combined FIR and UIR
specific information.  Unusable Route Segment	MEA and/or MAA Change at other than NAVAIDS	Control Area (CTA) or Upper Control Area (UTA
RNAV Route	Minimum Reception Altitude (MRA)	International Boundary



CRUISING ALTITUDES - U.S.

IFR within controlled airspace as assigned by ATC

All courses are magnetic

